

# Can mother's diet affect microbiota and the risk of obesity on children's?

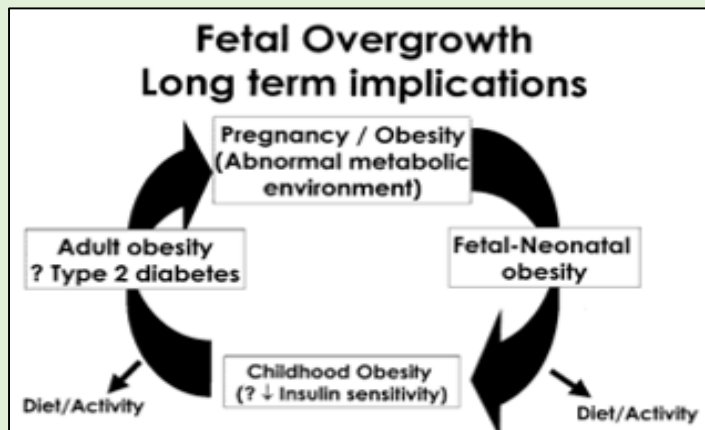
## Introduction

Obesity and overweight have become the most important nutritional disorders and a worldwide epidemic. They can be linked to a lot of problems, such as type 2 diabetes and their consequences affect both physical and mental health.

## Objectives

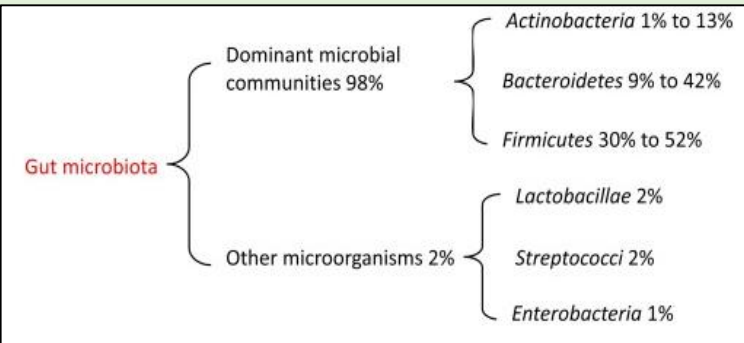
The main objective is to examine the relationship between a mother's diet, microbiota and children's obesity. Also proposing how to act towards obesity and overweight on pregnant woman's.

## Cycle of obesity

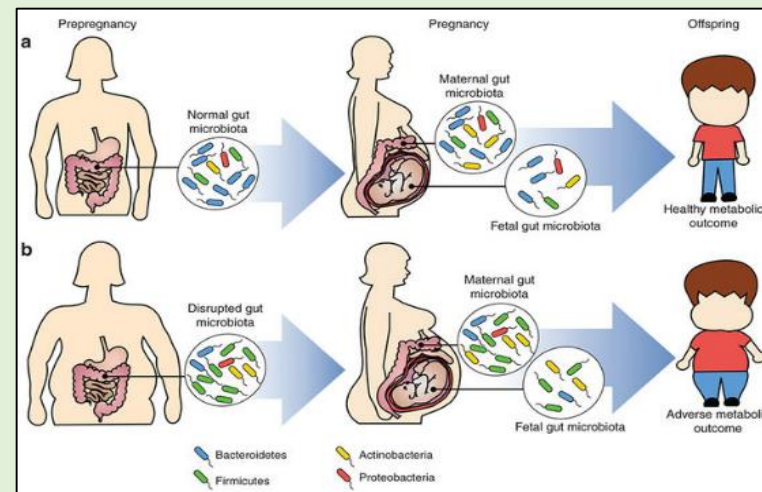


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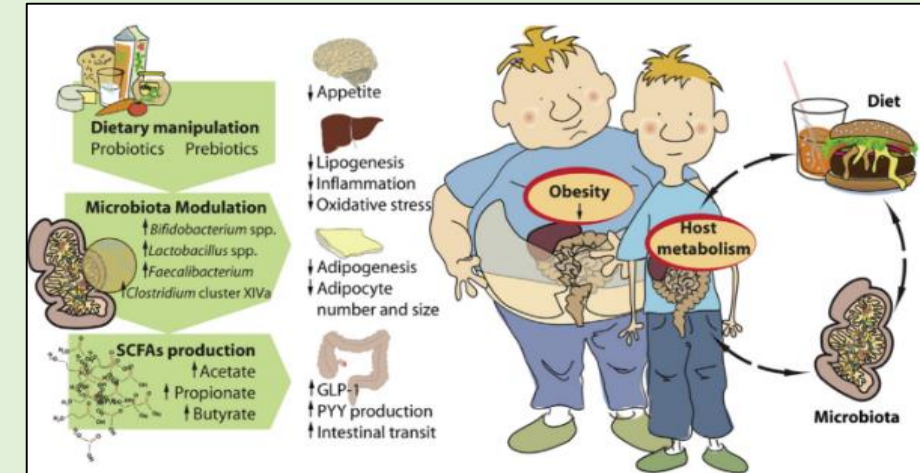
## Gut microbiota composition



## Overview of maternal gut microbiome modulation with pregnancy ± obesity



## Interaction between diet and gut microbiota



## Conclusions

- There is clear evidence linking diet modulation with a pregnant mother's microbiota and children's obesity.
- Dietary patterns and lifestyle are crucially factors that influence obesity.
- The change on dietary patterns and the use of probiotics and prebiotics can be used as a way to control obesity.
- More research is needed to understand their underlying mechanisms.